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November 18, 2005

Job No. 3034.01

Mr. Jack Tipple
Tipple Motors, Inc.
P.O. Box 855
Ferndale, California 95536

**Subject: 3rd Quarter 2005 Monitoring Report
Tipple Motors, Inc., 524 Main Street, Ferndale, California
LOP # 12052**

Dear Mr. Tipple:

This report presents the results of the 3rd Quarter 2005 groundwater monitoring and sampling event performed at the subject site. The site is approximately located as shown on the attached Site Location Map, Plate 1. The services were performed in accordance with directives from the Humboldt County Department of Health and Human Services - Division of Environmental Health (HCDHHS-DEH).

Monitoring Well Sampling

On September 22, 2005, groundwater samples were collected from the monitoring wells (wells) MW-1 through MW-8 at the subject site. The approximate well locations and general site features are shown on the attached Site Plan/Groundwater Elevation Contour Map, Plate 2. Prior to sampling, static water levels were measured and each well was checked for the presence of free product using an oil/water interface probe. No free product was detected during this monitoring event. To produce representative samples prior to sampling, the wells MW-1 through MW-7 were then purged of approximately three well casing volumes using a submersible pump. Well MW-8 was purged of approximately three well casing volumes using a disposable bailer. In addition, indicator parameters including the temperature, pH, and conductivity were measured during purging and recorded on the attached Groundwater Field Sampling Forms, Appendix A. Prior to sample collection, the water levels in each well were allowed to sufficiently recover and dissolved oxygen (DO) was measured in wells MW-1 through MW-7. DO measurements could not be measured for well MW-8 due to the smaller well casing diameter. Groundwater samples were collected using a separate disposable bailer for each well and transferred to the appropriate containers supplied by the laboratory. The groundwater samples were labeled, stored on ice, and transported under Chain-of-Custody documentation to Kiff Analytical LLC (Kiff) of Davis, California for chemical analysis. During this sampling event, carbon dioxide air samples were collected from well MW-2 and ambient air samples were also collected underneath the building as part of the ongoing remedial action program. These results will be presented under separate cover. Purge groundwater generated during

the sampling of the wells was stored onsite in 55-gallon DOT approved drums, pending disposal.

Water Level Measurements

Monitoring well top-of-casing (TOC) elevations, depths to groundwater, the calculated water level elevations, and the calculated groundwater flow direction and gradient for the September 22, 2005 monitoring event are tabulated on Table 1. Elevations are expressed in feet relative to Mean Sea Level (msl), depths are expressed in feet, and gradients (i) are expressed in feet per foot. Historical groundwater flow direction and gradient data is presented in Appendix B.

Table 1: Groundwater Flow Direction and Gradient

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
9/22/05	MW-1*	52.84	5.47	47.37	S80°E i = 0.01
	MW-2*	52.43	5.39	47.04	
	MW-3	49.42	3.86	45.56	
	MW-4	50.87	4.64	46.23	
	MW-5	49.28	3.74	45.54	
	MW-6	49.14	4.47	44.67	
	MW-7*	51.99	4.88	47.11	
	MW-8	NA	5.69	NA	

* = TOC elevations have been corrected.
NA = TOC elevations not available.

Water level elevation contours based on MW-1 through MW-7 for the September 22, 2005 monitoring event are shown on Plate 2.

Laboratory Analytical Results

Groundwater samples collected from the wells were analyzed for total petroleum hydrocarbons (TPH) as gasoline and TPH as diesel by EPA Test Methods 8260/8015, respectively. The volatile organic compounds: benzene, toluene, ethyl benzene, and xylenes (BTEX), the additional oxygenated fuel additives including; methyl tert-butyl ether (MtBE), di-isopropyl ether (DIPE), ethyl-tert-butyl ether (EtBE), tert-amyl methyl ether (TAME), and tert butanol (TBA), and lead scavengers including 1,2 dichloroethane (EDC) were analyzed using EPA Test Method 8260B. The laboratory analytical results for the September 22, 2005 event are presented on page 3, Table 2. The results for TPH as gasoline, TPH as diesel, BTEX, MtBE, and the additional oxygenated fuel



additives (add. oxy's) are expressed in micrograms per liter ($\mu\text{g/L}$). The laboratory analytical report and chain-of-custody documentation are attached in Appendix C. The historical laboratory analytical results are presented in Appendix D. Time vs. Concentration Graphs for monitoring wells MW-1, MW-2, MW-4, and MW-5 that plot contaminant concentrations over time are included as Appendix E.

Table 2: Groundwater Analytical Results

Sample Date	Well ID	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		$\mu\text{g/L}$							
09/22/05	MW-1	54	<50	<0.50	<0.50	<0.50	<0.50	44	16 TAME
	MW-2	6,500	<1,000	1,500	14	52	23	16**	65 DIPE
	MW-3	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	0.59 DIPE
	MW-4	170	320	6.6	<0.50	<0.50	<0.50	18**	22 DIPE
	MW-5	110	230	<0.50	<0.50	<0.50	<0.50	<0.50	16 DIPE
	MW-6	<50	94	<0.50	<0.50	<0.50	<0.50	<0.50	3.6 DIPE
	MW-7	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
	MW-8	12,000	<3,000	680	58	400	390	<2.0**	440 DIPE 10 TBA

< = Indicates the laboratory test method detection limit.
 ** = Lead scavengers present (see laboratory report).
 ND = Not detected.

Discussion

The most recent analytical results are generally consistent with historical contamination trends. TPH as gasoline was detected in the samples collected from wells MW-1, MW-2, MW-4, MW-5, and MW-8 at concentrations of 54 $\mu\text{g/L}$, 6,500 $\mu\text{g/L}$, 170 $\mu\text{g/L}$, 110 $\mu\text{g/L}$, and 12,000 $\mu\text{g/L}$, respectively. TPH as diesel was detected in wells MW-4, MW-5, and MW-6 at concentrations of 320 $\mu\text{g/L}$, 230 $\mu\text{g/L}$, and 94 $\mu\text{g/L}$, respectively. BTEX constituents were detected in wells MW-2, MW-4, and MW-8 with benzene occurring at a maximum concentration of 1,500 $\mu\text{g/L}$ in MW-2. MtBE was detected in wells MW-1, MW-2, and MW-4 at concentrations of 44 $\mu\text{g/L}$, 16 $\mu\text{g/L}$, and 18 $\mu\text{g/L}$, respectively. TAME was detected in the sample collected from MW-1 at a concentration of 16 $\mu\text{g/L}$. DIPE was detected in the samples collected from wells MW-2, MW-3, MW-4, MW-5, MW-6, and MW-8 at concentrations of 65 $\mu\text{g/L}$, 0.59 $\mu\text{g/L}$, 22 $\mu\text{g/L}$, 16 $\mu\text{g/L}$, 3.6 $\mu\text{g/L}$, and 440 $\mu\text{g/L}$, respectively. TBA was detected in the samples collected from MW-8 at a concentration of 10 $\mu\text{g/L}$. The lead scavenger EDC was detected in the samples collected from MW-2, MW-4, and MW-8 at concentrations of 23 $\mu\text{g/L}$, 0.60 $\mu\text{g/L}$, and 170 $\mu\text{g/L}$, respectively. Samples collected from MW-7 were below laboratory test method detection limits for all the constituents analyzed.



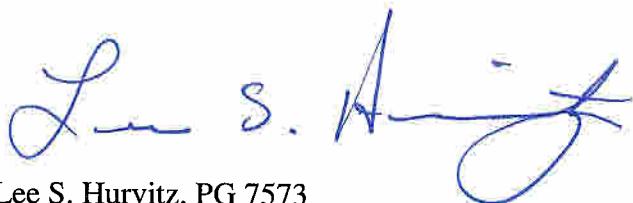
Based on requests made in the July 5, 2005 letter from Mr. Mark Verhey of the HCDHHS-DEH, we recommend that wells MW-2, MW-4, and MW-8 be sampled monthly starting in November 2005. All monitoring wells will continue to be sampled on a semi-annual basis. The next semi-annual sampling event is scheduled for March 2006.

We appreciate the opportunity to be of service to you and trust this report provides the information you require at this time. If you have any questions, or need any additional information, please don't hesitate to contact us at (707) 575-8622 or www.transtechconsultants.com.

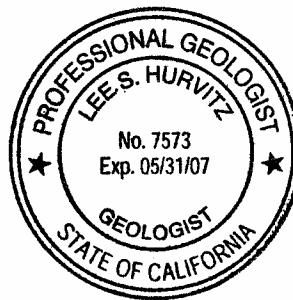
Sincerely,
TRANS TECH CONSULTANTS



Brian R. Hasik
Staff Geologist



Lee S. Hurvitz, PG 7573
Senior Geologist



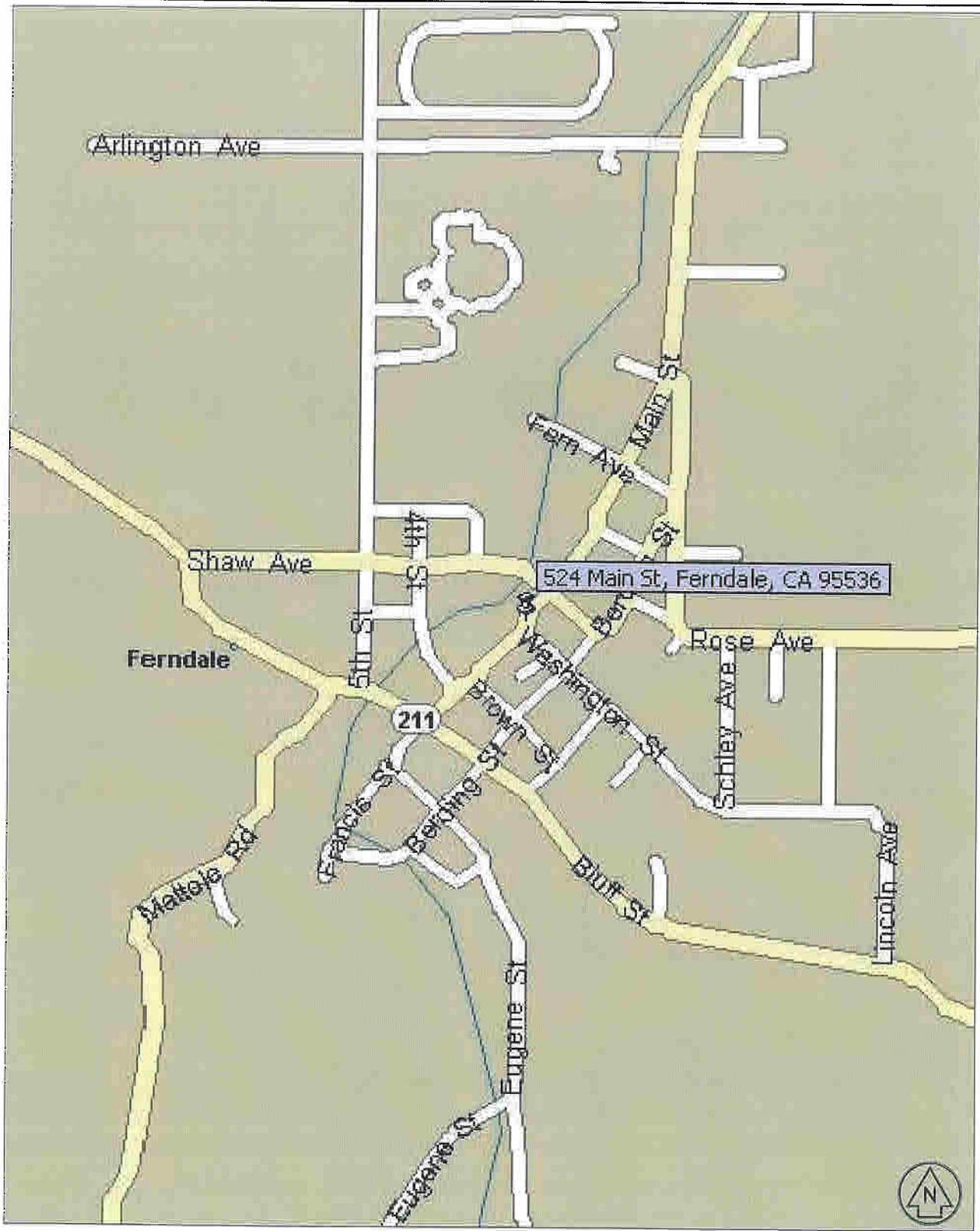
QMR_3034_01_111805

Attachments: Plate 1, Site Location Map
Plate 2, Site Plan / Groundwater Elevation Contour Map
Appendix A, Groundwater Field Sampling Forms
Appendix B, Historical Groundwater Flow Direction and Gradient Data
Appendix C, Kiff Analytical LLC Report dated October 3, 2005
Appendix D, Historical Groundwater Analytical Results
Appendix E: Time vs. Concentration Graphs for MW-1, MW-2, MW-4, MW-5
Distribution List

Cc: Mr. Mark Verhey, Humboldt County Department of Health and Human Services - Division of Environmental Health

Ms. Kasey Ashley, North Coast Regional Water Quality Control Board





TRANS TECH CONSULTANTS

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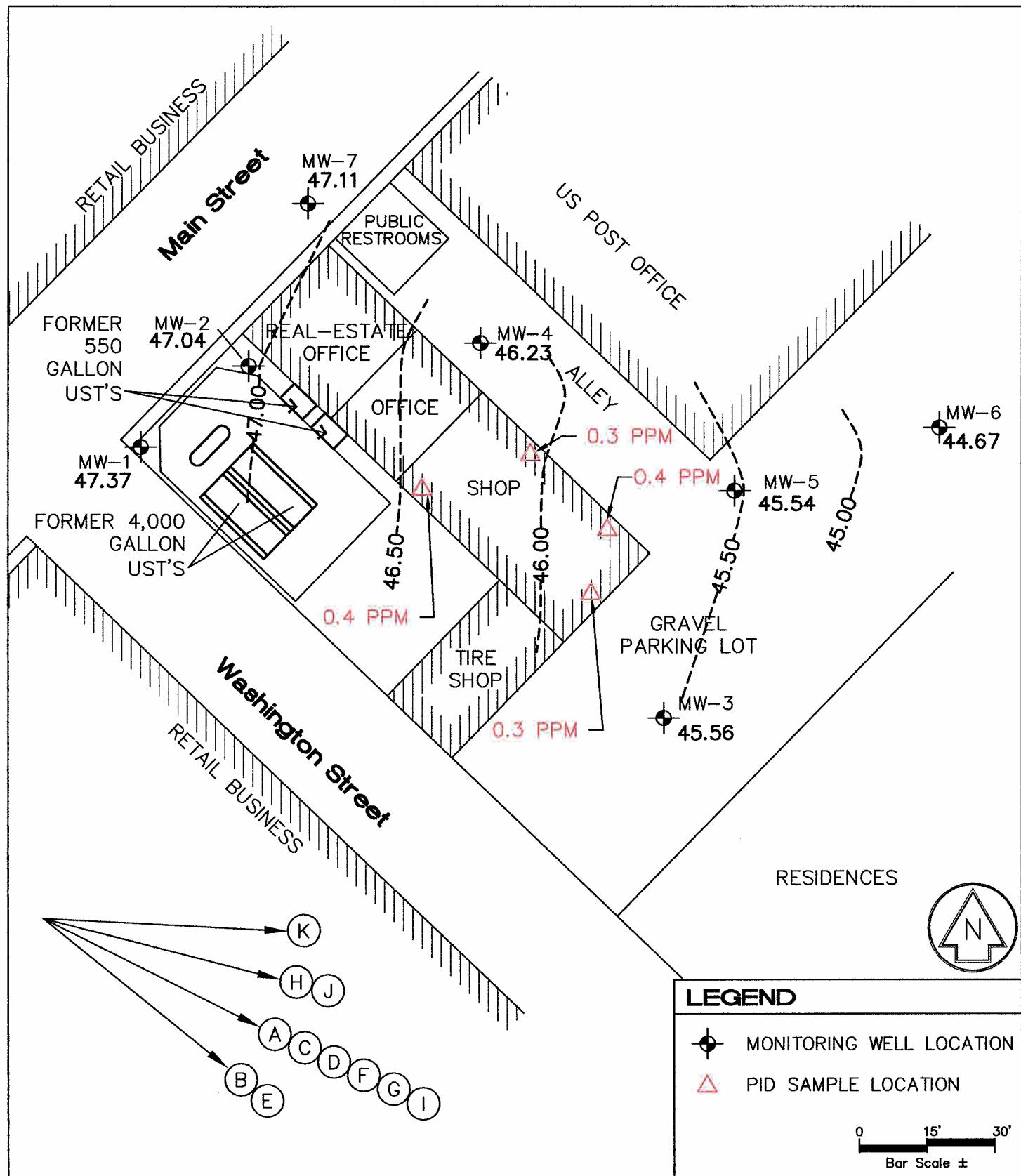
SITE LOCATION MAP

TIPPLE MOTORS
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE:

1

DRAWN BY: PSC	DWG NAME: 3034.01 SLM	APPR. BY: LSH	JOB NUMBER: 3034.01	W.O. NUMBER: A-264	REVISIONS:	DATE: 10/9/03
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SITE PLAN/
GROUNDWATER ELEVATION CONTOUR MAP FOR 9/22/05
TIPPLE MOTORS, INC.
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE:
3

DRAWN BY: PSC	DWG NAME: 3034.01 GWFP	APPR. BY: BRH	JOB NUMBER: 3034.01	W.O. NUMBER: A-847	REVISIONS:	DATE: 9/26/05
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GROUNDWATER FLOW LEGEND



MW-1 Monitoring Well Location
[XX.XX] Groundwater Elevation

NOTE: Ground water elevations are in feet above mean sea level (National Geodetic Vertical Datum, 1929).



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SITE PLAN/
GROUNDWATER ELEVATION CONTOUR MAP FOR 9/22/05

TIPPLE MOTORS, INC.
524 MAIN STREET
FERNDALE, CALIFORNIA

PLATE:
2

DRAWN BY: DWG NAME: APPR. BY: JOB NUMBER: W.O. NUMBER: REVISIONS: DATE:
PSC 3034.01 GWFP LSH 3034.01 A-847 SHEET: 2 OF 2

APPENDIX A

APPENDIX A contains the results of the experiments described in the main text.

The first section of APPENDIX A contains the results of the experiments described in the main text. The second section contains the results of the experiments described in the main text.

The third section contains the results of the experiments described in the main text.

The fourth section contains the results of the experiments described in the main text.

The fifth section contains the results of the experiments described in the main text.

The sixth section contains the results of the experiments described in the main text.

The seventh section contains the results of the experiments described in the main text.

The eighth section contains the results of the experiments described in the main text.

The ninth section contains the results of the experiments described in the main text.

The tenth section contains the results of the experiments described in the main text.

The eleventh section contains the results of the experiments described in the main text.

The twelfth section contains the results of the experiments described in the main text.

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION								
Project Number/Name: 3034.01 Ferndale Motors					Well Number: MW-1			
Project Location: 524 Main Street Ferndale, California		Casing Diameter: 2"		Well Depth from TOC (BP): 12.00 Well Depth from TOC (AP):				
Date: September 23, 2005		Top of Screen:		Initial Well Depth:				
Sampled by (print and sign): Brian Hasik <i>Brian</i>		Product Thickness in inches: 8						
		Water Level from TOC: 5.49		Time: 11:57				
Notes:		Water Level pre-purge: 5.47		Time: 12:42				
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:						
		Well EL (TOC):				Well Mat: PVC		
WEATHER								
Wind: Yes / No	Clouds: Yes / No	Sun: Yes / No	Precipitation in last 5 days: Yes / No					
Rain: Yes / No	Fog: Yes / No							
VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING								
(TD - WL)	X Dia. Inches	2	X 0.0408 =	1.17	gallons in one well volume			
3.52				5	gallons in 3 well volumes (Approx. 0.6 gal/ft) total gallons purged			
FIELD MEASUREMENTS DURING PURGING								
Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change								
Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L	
12:42	1	6.33	19.1	2		630.4	L	
12:43	2	6.31	18.7	-9		646.0	L	
12:43	3	6.37	18.9	-22		655.0	L	
12:44	5	6.34	18.7	-13		662.8	L	
						3.6		
Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.								
Water Level Before Sampling: 5-63				Time: 2:15				
Appearance of Sample:								
Bailer: Disposable		Pump: 12V Submersible (1-2 gpm)						
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse								
NUMBER OF DRUMS GENERATED:		Water: 7	Soil: 1	Other: 0				

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION							
Project Number/Name: 3034.01 Ferndale Motors				Well Number: MW-2			
Project Location: 524 Main Street Ferndale, California		Casing Diameter: 2"		Well Depth from TOC (BP): 12.75 Well Depth from TOC (AP):			
Date: September 23, 2005		Top of Screen:		Initial Well Depth:			
Sampled by (print and sign): Brian Hasik <i>Brian</i>		Product Thickness in inches: 8					
		Water Level from TOC: 5.37				Time: 12:03	
Notes: HC ODOR		Water Level pre-purge: 5.39				Time: 1:12	
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:				Well Mat: PVC	
WEATHER							
Wind: Yes <input type="checkbox"/> No	Clouds: Yes <input type="checkbox"/> No	Sun: Yes <input type="checkbox"/> No	Precipitation in last 5 days: Yes <input type="checkbox"/> No				
Rain: Yes <input type="checkbox"/> No	Fog: Yes <input type="checkbox"/> No						
VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING							
(TD ----- WL)	X	(Dia. Inches -----)	2	X	0.0408	=	1.18 gallons in one well volume
<i>3.53</i>							<i>5</i> total gallons purged
FIELD MEASUREMENTS DURING PURGING							
Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change							
Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
<i>1:15</i>	<i>1</i>	<i>6.56</i>	<i>18.3</i>	<i>-109</i>		<i>1455</i>	<i>L</i>
<i>1:16</i>	<i>2</i>	<i>6.56</i>	<i>19.0</i>	<i>-122</i>		<i>1305</i>	<i>L</i>
<i>1:16</i>	<i>3</i>	<i>6.55</i>	<i>17.9</i>	<i>-117</i>		<i>1496</i>	<i>L</i>
<i>1:17</i>	<i>5</i>	<i>6.55</i>	<i>17.8</i>	<i>-104</i>		<i>1498</i>	<i>L</i>
						<i>3.9</i>	
Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.							
Water Level Before Sampling: <i>5.51</i>				Time: <i>3:10</i>			
Appearance of Sample:							
Bailer: Disposable	Pump: 12V Submersible (1-2 gpm)						
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse							
NUMBER OF DRUMS GENERATED: Water: <i>7</i> Soil: <i>1</i> Other: <i>8</i>							

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 3034.01 Ferndale Motors		Well Number: MW-3
Project Location: 524 Main Street Ferndale, California	Casing Diameter: 2"	Well Depth from TOC (BP): 14.90 Well Depth from TOC (AP):
Date: September 23, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik <i>BH</i>	Product Thickness in inches: 87	
	Water Level from TOC: 3.87	Time: 11:54
Notes:	Water Level pre-purge: 3.86	Time: 12:20
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC):	Well Mat: PVC

WEATHER

Wind: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Clouds: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Sun: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Precipitation in last 5 days: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Rain: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Fog: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(TD 5 - 30	-	WL 2	X 0.0408 = 1.77	gallons in one well volume
Dia. Inches				
gallons in 3 well volumes (Approx. 0.6 gal/ft)				6 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:22	1	6.15	17.6	49		557.0	L
12:23	2	6.10	17.3	41		375.1	L
12:23	4	6.06	16.3	14		485.2	L
12:24	6	6.06	16.4	32		396.0	L
						7.9	

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 3.93	Time: 2225
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Appearance of Sample:

Bailer: Disposable	Pump: 12V Submersible (1-2 gpm)
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DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7	Soil: 1	Other: 0
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GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION							
Project Number/Name: 3034.01 Ferndale Motors				Well Number: MW-4			
Project Location: 524 Main Street Ferndale, California		Casing Diameter: 2"		Well Depth from TOC (BP): 14.75 Well Depth from TOC (AP):			
Date: September 23, 2005		Top of Screen:		Initial Well Depth:			
Sampled by (print and sign): Brian Hasik <i>Brian</i>		Product Thickness in inches <i>0</i>					
		Water Level from TOC: 4.64		Time: 12:00			
Notes: V. slight odor		Water Level pre-purge: 4.64		Time: 1:01			
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:		Well EL (TOC): Well Mat: PVC			
WEATHER							
Wind: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Clouds: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sun: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Precipitation in last 5 days: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				
VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING							
TD	-	WL	X	(<i>2</i>)	0.0408 =	<i>1.62</i>	gallons in one well volume
<i>4.85</i>						<i>5</i>	gallons in 3 well volumes (Approx. 0.6 gal/ft) total gallons purged
FIELD MEASUREMENTS DURING PURGING							
Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change							
Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC μ s / μ S	Turbidity H/M/L
<i>1:04</i>	<i>1</i>	<i>6.37</i>	<i>16.0</i>	<i>-36</i>		<i>803.6</i>	<i>L</i>
<i>1:05</i>	<i>2</i>	<i>6.35</i>	<i>16.3</i>	<i>-31</i>		<i>899.4</i>	<i>L</i>
<i>1:05</i>	<i>3</i>	<i>6.35</i>	<i>16.0</i>	<i>-53</i>		<i>936.1</i>	<i>L</i>
<i>1:06</i>	<i>5</i>	<i>6.39</i>	<i>15.6</i>	<i>-51</i>		<i>956.5</i>	<i>L</i>
						<i>522</i>	
Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.							
Water Level Before Sampling: <i>4.69</i>				Time: <i>3:05</i>			
Appearance of Sample:							
Bailer: Disposable		Pump: 12V Submersible (1-2 gpm)					
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse							
NUMBER OF DRUMS GENERATED: Water: <i>7</i> Soil: <i>1</i> Other: <i>8</i>							

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION							
Project Number/Name: 3034.01 Ferndale Motors				Well Number: MW-5			
Project Location: 524 Main Street Ferndale, California		Casing Diameter: 2"		Well Depth from TOC (BP): 14-80 Well Depth from TOC (AP):			
Date: September 23, 2005		Top of Screen:		Initial Well Depth:			
Sampled by (print and sign): Brian Hasik <i>BRH</i>		Product Thickness in inches: 0					
		Water Level from TOC: 3.70				Time: 11:59	
Notes:		Water Level pre-purge: 3.74				Time: 12:50	
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:					
Well EL (TOC):				Well Mat: PVC			
WEATHER							
Wind: Yes / No Rain: Yes / No	Clouds: Yes / No Fog: Yes / No	Sun: Yes / No	Precipitation in last 5 days: Yes / No				
VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING							
(TD - WL) X (Dia. Inches) 5.31	2	X 0.0408 =	1.77	gallons in one well volume gallons in 3 well volumes (Approx. 0.6 gal/ft) 6 total gallons purged			
FIELD MEASUREMENTS DURING PURGING							
Stable Field Parameters Required Prior to Sample Collection: <10% pH and EC change, <0.2°C temp. change							
Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:53	1	6.43	17.2	-12		638.0	L
12:53	2	6.40	17.6	-9		617.7	L
12:54	4	6.25	17.0	11		568.4	L
12:55	6	6.28	16.5	3		585.6	L
						5.1	
Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.							
Water Level Before Sampling: 3.80				Time: 2:55			
Appearance of Sample:							
Bailer: Disposable	Pump: 12V Submersible (1-2 gpm)						
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse							
NUMBER OF DRUMS GENERATED: Water: 7 Soil: Other: 8							

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name: 3034.01 Ferndale Motors		Well Number: MW-6
Project Location: 524 Main Street Ferndale, California	Casing Diameter: 2"	Well Depth from TOC (BP): 14.00 Well Depth from TOC (AP):
Date: September 23, 2005	Top of Screen:	Initial Well Depth:
Sampled by (print and sign): Brian Hasik <i>Brian</i>	Product Thickness in inches: 0	
	Water Level from TOC: 4.44 Time: 11:56	
Notes:	Water Level pre-purge: 4.47 Time: 12:30	
	Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
	Well EL (TOC): Well Mat: PVC	

WEATHER

Wind: Yes <input checked="" type="checkbox"/> No	Clouds: Yes <input checked="" type="checkbox"/> No	Sun: Yes <input checked="" type="checkbox"/> No	Precipitation in last 5 days: Yes <input checked="" type="checkbox"/> No
Rain: Yes <input checked="" type="checkbox"/> No	Fog: Yes <input checked="" type="checkbox"/> No		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

(TD 4.96	-	WL 2	X Dia. Inches 0.0408 =	1.65	gallons in one well volume
				5	total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:31	1	6.24	17.1	35		545.3	1
12:31	2	6.35	16.4	49		555.4	1
12:32	3	6.36	16.7	51		597.3	1
12:32	5	6.29	16.2	55		555.9	1
12:33					9.1		

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 4.56	Time: 2:35
-----------------------------------	------------

Appearance of Sample:

Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 1 Other: 8

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION							
Project Number/Name: 3034.01 Ferndale Motors				Well Number: MW-7			
Project Location: 524 Main Street Ferndale, California		Casing Diameter: 2"		Well Depth from TOC (BP): 13.70 Well Depth from TOC (AP):			
Date: September 23, 2005		Top of Screen:		Initial Well Depth:			
Sampled by (print and sign): Brian Hasik <i>(BSA)</i>		Product Thickness in inches: 8					
		Water Level from TOC: 4.88				Time: 11:53	
Notes:		Water Level pre-purge: 4.88				Time: 12:09	
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:				Well Mat: PVC	
WEATHER							
Wind: Yes <input checked="" type="checkbox"/> Rain: Yes <input checked="" type="checkbox"/>	Clouds: Yes <input checked="" type="checkbox"/> Fog: Yes <input checked="" type="checkbox"/>	Sun: Yes <input checked="" type="checkbox"/>	Precipitation in last 5 days: Yes <input checked="" type="checkbox"/>				
VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING							
TD	WL	X (2) Dia. Inches	0.0408	= 1.41	gallons in one well volume		
<i>4.23</i>				5	gallons in 3 well volumes (Approx. 0.6 gal/ft) total gallons purged		
FIELD MEASUREMENTS DURING PURGING							
Stable Field Parameters Required Prior to Sample Collection <10% pH and EC change, <0.2°C temp. change							
Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / µS	Turbidity H/M/L
12:14	1	6.04	17.6	199		503.7	L
12:14	2	6.21	17.6	191		467.6	L
12:15	3	6.16	17.7	186		476.5	L
12:16	4	6.18	17.8	182		4829	L
12:16	5	6.22	17.4	180		496.5	L
						719	
Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.							
Water Level Before Sampling: 4.90				Time: 2:15			
Appearance of Sample:							
Bailer: Disposable		Pump: 12V Submersible (1-2 gpm)					
DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse							
NUMBER OF DRUMS GENERATED: Water: 7 Soil: 1 Other: 1							

** Below Drum **

GROUNDWATER FIELD SAMPLING FORM

WELL INFORMATION

Project Number/Name:	3034.01 Ferndale Motors		Well Number: MW-8
Project Location:	524 Main Street Ferndale, California	Casing Diameter: 1"	Well Depth from TOC (BP): <u>1580</u> Well Depth from TOC (AP):
Date:	September 23, 2005		
Sampled by (print and sign): Brian Hasik <i>Brian</i>		Top of Screen: Initial Well Depth:	
		Product Thickness in inches: <u>0</u>	
		Water Level from TOC: <u>5-68</u>	Time: <u>12:05</u>
Notes: Hand purge Strong HC odor DO meter won't fit		Water Level pre-purge: <u>5-69</u>	Time: <u>1:19</u>
		Well Type: <input checked="" type="checkbox"/> Monitor <input type="checkbox"/> Extraction <input type="checkbox"/> Other:	
		Well EL (TOC):	Well Mat: PVC

WEATHER

Wind: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Clouds: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Sun: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Precipitation in last 5 days: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Rain: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Fog: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING

$$\frac{(\text{TD} - \text{WL})}{\text{Dia. Inches}} \times 2 \times 0.0408 = \text{gallons in one well volume}$$

TD 11.11 WL 1 Dia. Inches 0.45 gallons in one well volume
1.36 gallons in 3 well volumes (Approx. 0.6 gal/ft) 2 total gallons purged

FIELD MEASUREMENTS DURING PURGING

Stable Field Parameters Required Prior to Sample Collection: <10% pH and EC change, <0.2°C temp. change

Time	Gallons	pH	TEMP °C	ORP	DO mg/L	EC mS / μS	Turbidity H/M/L
1:25	0.5	6.69	17.9	-105		1289	M
1:31	1	6.89	17.0	-99		1320	M
1:37	1.5	6.59	16.6	-74		1409	M
1:42	2	6.99	16.5	-64		1386	M
						N/A	

Minimum of 5 gallons or 0.6 gal/ft. Of water in casing - whichever is greater and field parameters must be stable.

Water Level Before Sampling: 5.70 Time: 4:20

Appearance of Sample:

Bailer: Disposable Pump: 12V Submersible (1-2 gpm)

DECON. METHOD: TSP or Liquinox (phosphate free) Wash / Double Rinse

NUMBER OF DRUMS GENERATED: Water: 7 Soil: 1 Other: 0

APPENDIX B

Appendix B - Historical Groundwater Flow Direction and Gradient Data

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
04/17/99	MW-1	NA	NA	NA	NA
	MW-2	NA	NA	NA	
	MW-3	NA	NA	NA	
	MW-4	NA	NA	NA	
	MW-5	NA	NA	NA	
12/29/99	MW-1	NM	NM	NM	N10°E i = 0.011
	MW-2	53.01	5.25	47.76	
	MW-3	NM	NM	NM	
	MW-4	50.87	3.36	47.51	
	MW-5	49.28	3.48	47.80	
03/28/00	MW-1	53.13	4.90	48.23	N86°E i = 0.025
	MW-2	53.01	4.15	48.86	
	MW-3	49.42	2.63	46.79	
	MW-4	50.87	3.52	47.35	
	MW-5	49.28	2.50	46.78	
07/05/00	MW-1	53.13	5.31	47.82	N77°E i = 0.032
	MW-2	53.01	4.70	48.31	
	MW-3	49.42	3.31	46.11	
	MW-4	50.87	4.53	46.34	
	MW-5	49.28	5.15	44.13	
NA = Not available. NM = Not measured.					



Appendix B - Continued

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
10/11/00	MW-1	53.13	5.51	47.62	N 82° E i = 0.023
	MW-2	53.01	5.37	47.64	
	MW-3	49.42	3.19	46.23	
	MW-4	50.87	4.98	45.89	
	MW-5	49.28	3.78	45.50	
12/19/00	MW-1	53.13	5.14	47.99	N 80° E i = 0.017
	MW-2	53.01	4.72	48.29	
	MW-3	49.42	2.23	47.19	
	MW-4	50.87	3.60	47.27	
	MW-5	49.28	4.01	45.27	
03/28/01	MW-1	53.13	4.30	48.83	S 88° E i = 0.024
	MW-2	53.01	4.29	48.72	
	MW-3	49.42	1.86	47.56	
	MW-4	50.87	3.15	47.72	
	MW-5	49.28	3.68	45.60	
07/26/01	MW-1	53.13	5.12	48.01	S 80° E i = 0.021
	MW-2	53.01	4.97	48.04	
	MW-3	49.42	3.66	45.76	
	MW-4	50.87	4.22	46.65	
	MW-5	49.28	3.96	45.32	



Appendix B - Continued

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
10/16/01	MW-1	53.13	5.16	47.97	S75°W i = 0.02
	MW-2	53.01	5.17	47.84	
	MW-3	49.42	4.09	45.33	
	MW-4	50.87	4.57	46.30	
	MW-5	49.28	4.01	45.27	
01/15/02	MW-1	53.13	4.25	48.88	S65°E i = 0.014
	MW-2	53.01	3.95	49.06	
	MW-3	49.42	2.01	47.41	
	MW-4	50.87	3.19	47.68	
	MW-5	49.28	2.10	47.18	
04/22/02	MW-1	53.13	4.72	48.41	S50°E i = 0.01
	MW-2	53.01	4.15	48.86	
	MW-3	49.42	2.52	46.90	
	MW-4	50.87	3.34	47.53	
	MW-5	49.28	2.41	46.87	
07/23/02	MW-1	53.13	5.20	47.93	S65°E i = 0.02
	MW-2	53.01	4.62	48.39	
	MW-3	49.42	3.52	45.90	
	MW-4	50.87	3.84	47.03	
	MW-5	49.28	3.36	45.92	
12/02/02	MW-1	53.13	5.28	47.85	S65°E i = 0.02
	MW-2	53.01	5.12	47.89	
	MW-3	49.42	3.41	46.01	
	MW-4	50.87	3.49	47.38	
	MW-5	49.28	3.06	46.22	
	MW-6	49.14	3.72	45.42	
	MW-7	52.57	4.61	47.96	



Appendix B - Continued

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
03/27/03	MW-1	53.13	4.22	48.91	S50°E i = 0.007
	MW-2	53.01	3.78	49.23	
	MW-3	49.42	0.82	48.60	
	MW-4	50.87	2.31	48.56	
	MW-5	49.28	0.78	48.50	
	MW-6	49.14	1.25	47.89	
	MW-7	52.57	3.41	49.16	
05/15/03	MW-1	53.13	4.59	48.54	S65°E i = 0.019
	MW-2	53.01	4.10	48.91	
	MW-3	49.42	2.47	46.95	
	MW-4	50.87	3.68	47.19	
	MW-5	49.28	2.49	46.79	
	MW-6	49.14	3.03	46.11	
	MW-7	52.57	4.09	48.48	
09/11/03	MW-1	53.13	5.36	47.77	S65°E i = 0.02
	MW-2	53.01	5.28	47.73	
	MW-3	49.42	3.36	46.06	
	MW-4	50.87	4.94	45.93	
	MW-5	49.28	3.59	45.69	
	MW-6	49.14	4.22	44.92	
	MW-7	52.57	4.79	47.78	
3/04/04	MW-1	53.13	4.43	51.70	Southeasterly i = 0.03
	MW-2	53.01	3.99	49.02	
	MW-3	49.42	1.93	47.49	
	MW-4	50.87	3.37	47.50	
	MW-5	49.28	2.17	47.11	
	MW-6	49.14	2.63	46.51	
	MW-7	52.57	3.81	48.76	



Appendix B - Continued

Sample Date	Monitoring Well ID	TOC Elevation	Water Level Depth	Water Level Elevation	Groundwater Flow Direction/Gradient
7/01/04	MW-1	53.13	5.21	49.92	S 65°E i = 0.03
	MW-2	53.01	4.90	48.11	
	MW-3	49.42	3.90	45.52	
	MW-4	50.87	4.65	46.22	
	MW-5	49.28	3.91	45.37	
	MW-6	49.14	4.21	44.93	
	MW-7	52.57	4.20	48.37	
3/16/05	MW-1	53.13	5.00	48.13	Southeasterly i = 0.02
	MW-2	53.01	4.65	48.36	
	MW-3	49.42	3.07	46.35	
	MW-4	50.87	3.95	46.92	
	MW-5	49.28	3.10	46.18	
	MW-6	49.14	3.45	45.69	
	MW-7	52.57	4.32	48.25	
9/22/05	MW-1*	52.84	5.47	47.37	S80°E i = 0.01
	MW-2*	52.43	5.39	47.04	
	MW-3	49.42	3.86	45.56	
	MW-4	50.87	4.64	46.23	
	MW-5	49.28	3.74	45.54	
	MW-6	49.14	4.47	44.67	
	MW-7*	51.99	4.88	47.11	
* = TOC elevations have been corrected. NA = TOC elevations not available.					



APPENDIX C

APPENDIX C contains the following tables:

Table C-1: Summary of the 1990 Census Data for the United States.

Table C-2: Summary of the 1990 Census Data for the United States.

Table C-3: Summary of the 1990 Census Data for the United States.

Table C-4: Summary of the 1990 Census Data for the United States.

Table C-5: Summary of the 1990 Census Data for the United States.

Table C-6: Summary of the 1990 Census Data for the United States.

Table C-7: Summary of the 1990 Census Data for the United States.

Table C-8: Summary of the 1990 Census Data for the United States.

Table C-9: Summary of the 1990 Census Data for the United States.

Table C-10: Summary of the 1990 Census Data for the United States.

Table C-11: Summary of the 1990 Census Data for the United States.

Table C-12: Summary of the 1990 Census Data for the United States.

Table C-13: Summary of the 1990 Census Data for the United States.

Table C-14: Summary of the 1990 Census Data for the United States.

Table C-15: Summary of the 1990 Census Data for the United States.

Table C-16: Summary of the 1990 Census Data for the United States.

Table C-17: Summary of the 1990 Census Data for the United States.

Table C-18: Summary of the 1990 Census Data for the United States.

Table C-19: Summary of the 1990 Census Data for the United States.

Table C-20: Summary of the 1990 Census Data for the United States.

Table C-21: Summary of the 1990 Census Data for the United States.

Table C-22: Summary of the 1990 Census Data for the United States.

Table C-23: Summary of the 1990 Census Data for the United States.

Table C-24: Summary of the 1990 Census Data for the United States.

Table C-25: Summary of the 1990 Census Data for the United States.

Table C-26: Summary of the 1990 Census Data for the United States.

Table C-27: Summary of the 1990 Census Data for the United States.

Table C-28: Summary of the 1990 Census Data for the United States.

Table C-29: Summary of the 1990 Census Data for the United States.

Table C-30: Summary of the 1990 Census Data for the United States.

Table C-31: Summary of the 1990 Census Data for the United States.

Table C-32: Summary of the 1990 Census Data for the United States.

Table C-33: Summary of the 1990 Census Data for the United States.

Table C-34: Summary of the 1990 Census Data for the United States.



Report Number : 46153

Date : 10/03/2005

Brian Hasik
Trans Tech Consultants
930 Shiloh Rd., Building 44, Suite J
Windsor, CA 95492

Subject : 8 Water Samples and 1 Vapor Sample
Project Name : Tipple Motors
Project Number : 3034.01

Dear Mr. Hasik,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink that reads "Joel Kiff". The signature is fluid and cursive, with a large, stylized "J" at the beginning.



Report Number : 46153

Date : 10/03/2005

Subject : 8 Water Samples and 1 Vapor Sample
Project Name : Tipple Motors
Project Number : 3034.01

Case Narrative

Matrix Spike/Matrix Spike Duplicate Results associated with sample MW-1 for the analyte Tert-Butanol were affected by the analyte concentrations already present in the un-spiked sample.

The Method Reporting Limit for TPH as Diesel is increased due to interference from Gasoline-Range Hydrocarbons for samples MW-2 and MW-8.

Approved By:

A handwritten signature in black ink that reads "Joe Kiff". The signature is written over a horizontal line.

2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-1

Matrix : Water

Lab Number : 46153-01

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	44	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	16	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	54	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	107		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	99.9		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	97.0		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-2

Matrix : Water

Lab Number : 46153-02

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	1500	3.0	ug/L	EPA 8260B	10/01/2005
Toluene	14	3.0	ug/L	EPA 8260B	10/01/2005
Ethylbenzene	52	3.0	ug/L	EPA 8260B	10/01/2005
Total Xylenes	23	3.0	ug/L	EPA 8260B	10/01/2005
Methyl-t-butyl ether (MTBE)	16	3.0	ug/L	EPA 8260B	10/01/2005
Diisopropyl ether (DIPE)	65	3.0	ug/L	EPA 8260B	10/01/2005
Ethyl-t-butyl ether (ETBE)	< 3.0	3.0	ug/L	EPA 8260B	10/01/2005
Tert-amyl methyl ether (TAME)	< 3.0	3.0	ug/L	EPA 8260B	10/01/2005
Tert-Butanol	< 15	15	ug/L	EPA 8260B	10/01/2005
TPH as Gasoline	6500	300	ug/L	EPA 8260B	10/01/2005
1,2-Dichloroethane	23	5.0	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	90.7		% Recovery	EPA 8260B	10/01/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/01/2005
Dibromofluoromethane (Surr)	108		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	98.5		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	< 1000	1000	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-3

Matrix : Water

Lab Number : 46153-03

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Diisopropyl ether (DIPE)	0.59	0.50	ug/L	EPA 8260B	09/29/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/29/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/29/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene - d8 (Surr)	93.3		% Recovery	EPA 8260B	09/29/2005
4-Bromofluorobenzene (Surr)	104		% Recovery	EPA 8260B	09/29/2005
Dibromofluoromethane (Surr)	115		% Recovery	EPA 8260B	09/29/2005
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	09/29/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	98.6		% Recovery	M EPA 8015	09/29/2005

Approved By:

Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-4

Matrix : Water

Lab Number : 46153-04

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	6.6	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	18	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	22	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	170	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	0.60	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	95.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	103		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	113		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	320	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	09/29/2005

Approved By:

Joel Kiff



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-5

Matrix : Water

Lab Number : 46153-05

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	16	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	110	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	113		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	230	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	09/29/2005

Approved By:

Joel Kiff



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-6

Matrix : Water

Lab Number : 46153-06

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	3.6	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	114		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	94	50	ug/L	M EPA 8015	09/30/2005
Octacosane (Diesel Surrogate)	117		% Recovery	M EPA 8015	09/30/2005

Approved By: Joel Kiff

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Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-7

Matrix : Water

Lab Number : 46153-07

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	99.3		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	98.7		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	112		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	09/29/2005

Approved By: Joel Kiff

2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800



Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : MW-8

Matrix : Water

Lab Number : 46153-08

Sample Date : 09/22/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	680	2.0	ug/L	EPA 8260B	09/30/2005
Toluene	58	2.0	ug/L	EPA 8260B	09/30/2005
Ethylbenzene	400	2.0	ug/L	EPA 8260B	09/30/2005
Total Xylenes	390	2.0	ug/L	EPA 8260B	09/30/2005
Methyl-t-butyl ether (MTBE)	< 2.0	2.0	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIPE)	440	2.0	ug/L	EPA 8260B	09/30/2005
Ethyl-t-butyl ether (ETBE)	< 2.0	2.0	ug/L	EPA 8260B	09/30/2005
Tert-amyl methyl ether (TAME)	< 2.0	2.0	ug/L	EPA 8260B	09/30/2005
Tert-Butanol	10	9.0	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	12000	200	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	170	2.0	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 2.0	2.0	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Surr)	92.5		% Recovery	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Surr)	106		% Recovery	EPA 8260B	09/30/2005
Dibromofluoromethane (Surr)	102		% Recovery	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Surr)	94.4		% Recovery	EPA 8260B	09/30/2005
TPH as Diesel	< 3000	3000	ug/L	M EPA 8015	09/29/2005
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	09/29/2005

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Report Number : 46153

Date : 10/03/2005

Project Name : Tipple Motors

Project Number : 3034.01

Sample : BLDG-1A

Matrix : Air

Lab Number : 46153-09

Sample Date : 09/23/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Toluene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	09/28/2005
Toluene - d8 (Surr)	97.9		% Recovery	EPA 8260B	09/28/2005
4-Bromofluorobenzene (Surr)	99.6		% Recovery	EPA 8260B	09/28/2005

Approved By:

Joel Kiff

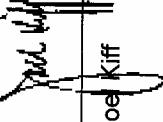
2795 2nd St., Suite 300 Davis, CA 95616 530-297-4800

QC Report : Matrix Spike/ Matrix Spike Duplicate

Report Number : 46153
 Date : 10/03/2005

Project Name : Tipple Motors**Project Number : 3034.01**

Parameter	Spiked Sample	Sample Value	Spike Level	Spiked Sample Value	Duplicate Spiked Sample Value	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Spiked Sample Percent Recov. Diff.	Relative Percent Diff. Limit			
TPH as Diesel	Blank	<50	1000	1000	983	979	ug/L	M EPA 8015	9/29/05	98.3	97.9	0.449	70-130	25
TPH as Diesel	Blank	<50	1000	1000	975	1050	ug/L	M EPA 8015	9/30/05	97.5	105	7.33	70-130	25
Benzene	46185-01	<0.50	40.0	40.0	38.9	ug/L	EPA 8260B	9/29/05	101	97.3	3.53	70-130	25	
Toluene	46185-01	<0.50	40.0	40.0	38.3	ug/L	EPA 8260B	9/29/05	97.7	95.6	2.11	70-130	25	
Tert-Butanol	46185-01	<5.0	200	200	226	ug/L	EPA 8260B	9/29/05	115	113	1.50	70-130	25	
Methyl-t-Butyl Ether	46185-01	<0.50	40.0	40.0	37.4	37.7	ug/L	EPA 8260B	9/29/05	93.6	94.4	0.809	70-130	25
Benzene	46161-01	1.0	40.0	40.0	37.2	36.1	ug/L	EPA 8260B	9/29/05	90.4	87.8	2.92	70-130	25
Toluene	46161-01	0.86	40.0	40.0	36.4	35.1	ug/L	EPA 8260B	9/29/05	88.8	85.7	3.52	70-130	25
Tert-Butanol	46161-01	11000	200	200	10900	10800	ug/L	EPA 8260B	9/29/05	90.9	27.3	108	70-130	25
Methyl-t-Butyl Ether	46161-01	37	40.0	40.0	73.9	74.0	ug/L	EPA 8260B	9/29/05	91.8	92.0	0.187	70-130	25
Benzene	46186-03	<0.50	40.0	40.0	40.1	38.2	ug/L	EPA 8260B	9/30/05	100	95.6	4.66	70-130	25
Toluene	46186-03	<0.50	40.0	40.0	32.0	30.6	ug/L	EPA 8260B	9/30/05	80.1	76.5	4.60	70-130	25
Tert-Butanol	46186-03	<5.0	200	200	181	179	ug/L	EPA 8260B	9/30/05	90.7	89.6	1.18	70-130	25
Methyl-t-Butyl Ether	46186-03	<0.50	40.0	40.0	45.8	43.8	ug/L	EPA 8260B	9/30/05	114	109	4.55	70-130	25



Approved By: Joel Kiff

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QC Report : Laboratory Control Sample (LCS)Report Number : 46153
Date : 10/03/2005Project Name : **Tipple Motors**Project Number : **3034.01**

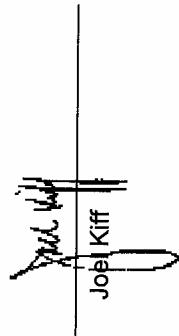
Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	9/29/05	102	70-130
Toluene	40.0	ug/L	EPA 8260B	9/29/05	96.5	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/29/05	112	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/29/05	93.0	70-130
Benzene	40.0	ug/L	EPA 8260B	9/29/05	91.0	70-130
Toluene	40.0	ug/L	EPA 8260B	9/29/05	93.0	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/29/05	100	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/29/05	89.8	70-130
Benzene	40.0	ug/L	EPA 8260B	9/30/05	99.2	70-130
Toluene	40.0	ug/L	EPA 8260B	9/30/05	84.7	70-130
Tert-Butanol	200	ug/L	EPA 8260B	9/30/05	90.8	70-130
Methyl-t-Butyl Ether	40.0	ug/L	EPA 8260B	9/30/05	112	70-130

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2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:

John Kiff



QC Report : Method Blank Data
Project Name : Tipple Motors
Project Number : 3034.01

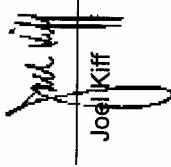
Report Number : 46153
 Date : 10/03/2005

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/29/2005	Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Octacosane (Diesel Surrogate)	110		%	M EPA 8015	09/29/2005	Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
TPH as Diesel	< 50	50	ug/L	M EPA 8015	09/30/2005	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Octacosane (Diesel Surrogate)	114		%	M EPA 8015	09/30/2005	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Benzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Toluene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005	Diisopropyl ether (DIP)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Ethylbenzene	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005	Ethy-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Total Xylenes	< 0.050	0.050	ppmv	EPA 8260B	09/28/2005	Ter-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/29/2005
TPH as Gasoline	< 5.0	5.0	ppmv	EPA 8260B	09/28/2005	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/29/2005
Toluene - d8 (Sur)	98.0		%	EPA 8260B	09/28/2005	1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
4-Bromofluorobenzene (Sur)	96.6		%	EPA 8260B	09/28/2005	1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005
Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Toluene - d8 (Sur)	97.6		%	EPA 8260B	09/29/2005
Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	4-Bromofluorobenzene (Sur)	110		%	EPA 8260B	09/29/2005
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Dibromofluoromethane (Sur)	99.5		%	EPA 8260B	09/29/2005
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	1,2-Dichloroethane-d4 (Sur)	98.1		%	EPA 8260B	09/29/2005
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Benzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Diisopropyl ether (DIP)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Toluene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ethy-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ter-amyil methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Ter-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/29/2005	Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/29/2005	Diisopropyl ether (DIP)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dichloroethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Ethy-t-butyl ether (ETBE)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
1,2-Dibromoethane	< 0.50	0.50	ug/L	EPA 8260B	09/29/2005	Ter-amyil methyl ether (TAME)	< 0.50	0.50	ug/L	EPA 8260B	09/30/2005
Toluene - d8 (Sur)	100		%	EPA 8260B	09/29/2005	Ter-Butanol	< 5.0	5.0	ug/L	EPA 8260B	09/30/2005
4-Bromofluorobenzene (Sur)	101		%	EPA 8260B	09/29/2005	TPH as Gasoline	< 50	50	ug/L	EPA 8260B	09/30/2005
Dibromofluoromethane (Sur)	111		%	EPA 8260B	09/29/2005	Toluene - d8 (Sur)	85.3		%	EPA 8260B	09/30/2005
1,2-Dichloroethane-d4 (Sur)	103		%	EPA 8260B	09/29/2005	4-Bromofluorobenzene (Sur)	100		%	EPA 8260B	09/30/2005

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2795 2nd St, Suite 300 Davis, CA 95616 530-297-4800

Approved By:



Joel Kiff



2795 2nd Street Suite 300
Davis, CA 95616
Lab: 530.297.4800
Fax: 530.297.4802

Project Contact (Hardcopy or PDF To):
Brian Haslik

Company / Address:
930 Shatto Rd., Building 44, Suite J, Windsor, CA 95492

Phone #: (707) 575-8622 Fax #:

P.O. #: Project #: 3034.01

EDF Deliverable To (Email Address):
lee.haus@tipplemotors.com

Sampler Signature: *[Signature]*

Sampling Company Log Code: California EDF Report# Yes No

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling Date	Sampling Time	Container	Preservative	Matrix			Comments
					Air	Soil	Water	
MW-1	9/26/05	2:45	X	40 ml VOA				
MW-2		3:10	X					
MW-3		2:25	X					
MW-4		3:05	X					
MW-5		2:55	X					
MW-6		2:35	X					
MW-7		2:15	X					
MW-8		4:20	X					
MW-9A	9/26/05	12:30	X					
MW-2A	9/27/05	12:40	X					
Relinquished by:		Date: 9/26/05	Time: 8:30	Received by:				
Relinquished by:		Date:	Time:	Received by:				
Relinquished by:	09/26/05	12:05	Jason Klemm	Kiff	For Lab Use Only: <input checked="" type="checkbox"/>	Sample Receipt		
					Temp °C: 3.2	Initials: ~gr-1	Date: 09/26/05	Time: 15:05
					Therm. ID #: R-1			Comment Present: Yes
								No

Distribution: White - Lab; Pink - Originator

Rev: 051805

APPENDIX D

APPENDIX D contains the following tables:

Table D-1: Summary of the results of the sensitivity analysis.

Table D-2: Summary of the results of the sensitivity analysis.

Table D-3: Summary of the results of the sensitivity analysis.

Table D-4: Summary of the results of the sensitivity analysis.

Table D-5: Summary of the results of the sensitivity analysis.

Table D-6: Summary of the results of the sensitivity analysis.

Table D-7: Summary of the results of the sensitivity analysis.

Table D-8: Summary of the results of the sensitivity analysis.

Table D-9: Summary of the results of the sensitivity analysis.

Table D-10: Summary of the results of the sensitivity analysis.

Table D-11: Summary of the results of the sensitivity analysis.

Table D-12: Summary of the results of the sensitivity analysis.

Table D-13: Summary of the results of the sensitivity analysis.

Table D-14: Summary of the results of the sensitivity analysis.

Table D-15: Summary of the results of the sensitivity analysis.

Table D-16: Summary of the results of the sensitivity analysis.

Table D-17: Summary of the results of the sensitivity analysis.

Table D-18: Summary of the results of the sensitivity analysis.

Table D-19: Summary of the results of the sensitivity analysis.

Appendix D - Historical Laboratory Analytical Results

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-1	4/17/99	NS	NS	NS	NS	NS	NS	NS	NS
	12/29/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/00	88	ND	0.85	0.53	ND	ND	8.7	ND
	7/05/00	ND	NA	ND	ND	ND	ND	11	ND
	10/11/00	ND	NA	0.64	ND	ND	ND	23	ND
	12/19/00	ND	ND	ND	ND	ND	ND	23	5.0 TAME
	3/28/01	ND	ND	ND	ND	ND	ND	27	5.8 TAME
	7/26/01	ND	ND	ND	ND	ND	ND	19	ND
	10/16/01	<50	<50	<1.0	<1.0	<1.0	<1.0	14	2.5 TAME
	1/15/02	<50	<50	<0.3	<0.3	<0.5	<0.5	21	5.0 TAME
	4/22/02	89	<50	3.1	1.1	2.0	3.8	26	5.8 TAME
	7/23/02	<50	82*	<0.30	<0.30	<0.50	<0.50	32	7.6 TAME
	12/02/02	<50	<65	<0.30	<0.30	<0.50	<0.50	38	10 TAME
	3/27/03	57	<50	<0.60	<0.60	<1.0	<1.0	44	12 TAME
	5/15/03	<50	<50	<0.60	<0.60	<1.0	<1.0	43	12 TAME
	9/11/03	<50	<50	<30	<30	<50	<50	64	ND
	3/05/04	<50	<50	<3.0	<3.0	<5.0	<5.0	43	ND
	7/01/04	NA	<50	<3.0	<3.0	<5.0	<5.0	64	21 TAME
	3/16/05	<50	<50	<0.30	<0.30	<0.50	<0.50	54	18 TAME
	9/22/05	54	<50	<0.50	<0.50	<0.50	<0.50	44	16 TAME

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ND = Not detected. NS = Not sampled. NA = Not analyzed.



Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-2	4/17/99	32,000	NA	5,600	200	720	2,100	<80	ND
	12/29/99	ND	ND	ND	ND	ND	ND	ND	ND
	3/28/00	13,000	1,300*	4,500	160	480	1,200	10	93 DIPE
	7/05/00	41,000	NA	3,400	190	860	2,000	ND	ND
	10/11/00	8,600	NA	1,100	ND	180	350	ND	110 DIPE
	12/19/00	10,000	1500*	1,400	56	320	610	ND	ND
	3/28/01	19,000	2,500*	3,900	160	730	1,400	ND	ND
	7/26/01	18,000	220*	3,100	130	470	880	ND	ND
	10/16/01	170,000	1,400*	1,800	<100	400	730	<100	ND
	1/15/02	20,000	2500	2,700	84	290	1,100	10	130 DIPE
	4/22/02	34,000	1,500*	4,600	<300	770	2,800	<500	ND
	7/23/02	35,000	2,800*	4,400	81	730	820	<50	ND
	12/02/02	29,000	1600	6,000	110	960	1,200	<50**	170 DIPE
	3/27/03	40,000	4,300*	4,500	230	2000	2,100	<50	140 DIPE
	5/15/03	26,000	4,800*	3,100	<300	<500	<500	<500	ND
	9/11/03	23,000	2,800*	4,000	71	620	520	<50	98 DIPE
	3/05/04	21,000	2,600*	3,900	120	610	<120	<50	ND
	7/01/04	80,000	2,900*	9,400	240	860	600	<250	ND
	3/16/05	46,000	1,500*	4,500	230	1300	750	<50**	120 DIPE
	9/22/05	6,500	<1,000	1,500	14	52	23	16**	65 DIPE

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** = Lead scavengers present (see laboratory reports)

ND = Not detected. NS = Not sampled. NA = Not analyzed.



Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-3	4/17/99	NS	NS	NS	NS	NS	NS	NS	NS
	12/29/99	NS	NS	NS	NS	NS	NS	NS	NS
	3/28/00	ND	ND	ND	ND	ND	ND	ND	ND
	7/05/00	ND	NA	ND	ND	ND	ND	ND	ND
	10/11/00	ND	NA	ND	ND	ND	ND	ND	ND
	12/19/00	ND	ND	ND	ND	ND	ND	ND	ND
	3/28/01	ND	ND	ND	ND	ND	ND	ND	ND
	7/26/01	ND	ND	ND	ND	ND	ND	ND	ND
	10/16/01	<50	NA	<1.0	<1.0	<1.0	<1.0	<1.0	ND
	1/15/02	<50	<50	<0.3	<0.3	<0.5	<0.5	<0.5	ND
	4/22/02	<50	<50	<0.3	<0.3	<0.5	<0.5	<0.5	ND
	7/23/02	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	0.63 DIPE
	12/02/02	<50	<65	<0.30	<0.30	<0.50	<0.50	<0.50	0.71 DIPE
	3/27/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	5/15/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	9/11/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	0.60 DIPE
	3/05/04	<50	80	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	7/01/04	<50	<50	<1.5	<1.5	<2.5	<2.5	<2.5	ND
	3/16/05	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	9/22/05	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	0.59 DIPE

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ND = Not detected.

NS = Not sampled.

NA = Not analyzed.



Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-4	4/17/99	2500	NA	540	8.2	16	14	73	ND
	12/29/99	3100	160*	59	ND	6.5	10	38	20 DIPE
	3/28/00	1500	330*	140	ND	6.7	ND	45	ND
	7/05/00	1300	NA	160	10	14	18	15	ND
	10/11/00	400	NA	9.6	3.6	2.3	3.9	46	18 DIPE
	12/19/00	1300	89*	110	4.9	12	12	45	26 DIPE
	3/28/01	1500	210*	220	17	16	21	48	21 DIPE
	7/26/01	540	ND	48	ND	ND	ND	47	ND
	10/16/01	200	<50	7.3	<1.0	<1.0	<1.0	33	23 DIPE
	1/15/02	850	<50	110	2.4	6.2	3.7	40	28 DIPE 1.4 TAME
	4/22/02	610	180*	100	3.4	5.3	5.4	44	24 DIPE 0.99 TAME
	7/23/02	550	65*	53	0.73	2.9	1.9	<0.50	10 DIPE
	12/02/02	350	320	25	0.73	1.9	1	45**	29 DIPE
	3/27/03	1400	150*	77	2.2	6.9	6	26	19 DIPE
	5/15/03	780	130*	140	<30	<30	<50	<50	ND
	9/11/03	280	<50	<30	<30	<50	<50	<50	ND
	3/05/04	1000	95*	96	<6.0	<10	<10	43	ND
	7/01/04	360	97*	14	<3.0	<5.0	<5.0	25	18 DIPE
	3/16/05	<500	120*	47	<3.0	<5.0	<5.0	18	16 DIPE
	9/22/05	170	320	6.6	<0.50	<0.50	<0.50	18**	22 DIPE

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 ** = Lead scavengers present (see laboratory reports)
 ND = Not detected. NS = Not sampled. NA = Not analyzed.



Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-5	4/17/99	260	NA	0.49	0.59	0.5	0.53	<1.0	ND
	12/29/99	790	ND	0.84	11	1.2	1.8	ND	16 DIPE
	3/28/00	200	ND	1.1	ND	ND	ND	ND	16 DIPE
	7/05/00	59	NA	ND	ND	ND	ND	ND	13 DIPE
	10/11/00	290	NA	2.1	1.1	1.7	ND	ND	11 DIPE
	12/19/00	410	120*	2.6	1.6	1.9	1.6	ND	12 DIPE
	3/28/01	260	ND	2.1	1.2	1.4	ND	ND	13 DIPE
	7/26/01	120	ND	0.78	ND	0.8	ND	ND	ND
	10/16/01	68	68	<1.0	<1.0	<1.0	<1.0	<1.0	13 DIPE
	1/15/02	390	140*	0.67	<0.3	1.2	<0.5	<0.5	13 DIPE
	4/22/02	410	160*	0.84	0.8	1.6	1.4	<0.5	11 DIPE
	7/23/02	180	<50	0.7	<0.30	0.64	<0.50	<0.50	13 DIPE
	12/02/02	190	320	0.35	<0.30	0.58	<0.50	<0.50	25 DIPE
	3/27/03	650	78*	0.92	<0.60	1.8	<1.0	<1.0	17 DIPE
	5/15/03	340	80*	<1.5	<1.5	<2.5	<2.5	<2.5	13 DIPE
	9/11/03	260	<50	<30	<30	<50	<50	<50	ND
	3/05/04	460	71*	<6.0	<6.0	<10	<10	<10	ND
	7/01/04	120	<50	<3.0	<3.0	<5.0	<5.0	<5.0	15 DIPE
	3/16/05	<1000	75*	<6.0	<6.0	<10	<10	<10	17 DIPE
	9/22/05	110	230	<0.50	<0.50	<0.50	<0.50	<0.50	16 DIPE

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Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-6	12/02/02	<50	<65	<0.30	<0.30	<0.50	<0.50	<0.50	4.0 DIPE
	3/27/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	4.6 DIPE
	5/15/03	<50	<50	<0.6	<0.6	<1.0	<1.0	<1.0	6.1 DIPE
	9/11/03	<50	<50	<15	<15	<25	<25	<25	ND
	3/05/04	<50	81	<0.6	<0.6	<1.0	<1.0	<1.0	ND
	7/01/04	<50	<50	<1.5	<1.5	<2.5	<2.5	<2.5	4.8 DIPE
	3/16/05	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	3.9 DIPE
	9/22/05	<50	94	<0.50	<0.50	<0.50	<0.50	<0.50	3.6 DIPE

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Appendix D continued

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-7	12/02/02	<50	<100	<0.30	<0.30	<0.50	<0.50	0.61	ND
	3/27/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	5/15/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	9/11/03	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	3/05/04	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	7/01/04	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	3/16/05	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND
	9/22/05	<50	<50	<0.30	<0.30	<0.50	<0.50	<0.50	ND

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 * = Higher boiling point constituents of gasoline are present / Results in the diesel organics range are primarily due to overlap from a gasoline range product.
 ND = Not detected.

Well ID	Sample Date	TPH as Gasoline	TPH as Diesel	B	T	E	X	MtBE	Add. Oxy's
		µg/L							
MW-8	9/22/05	12,000	<3,000	680	58	400	390	<2.0**	440 DIPE 10 TBA

< = Indicates the laboratory test method detection limit.
 ** = Lead scavengers present (see laboratory reports)



APPENDIX E

APPENDIX E contains the following tables:

Table E-1: Summary of the results of the sensitivity analysis.

Table E-2: Summary of the results of the sensitivity analysis.

Table E-3: Summary of the results of the sensitivity analysis.

Table E-4: Summary of the results of the sensitivity analysis.

Table E-5: Summary of the results of the sensitivity analysis.

Table E-6: Summary of the results of the sensitivity analysis.

Table E-7: Summary of the results of the sensitivity analysis.

Table E-8: Summary of the results of the sensitivity analysis.

Table E-9: Summary of the results of the sensitivity analysis.

Table E-10: Summary of the results of the sensitivity analysis.

Table E-11: Summary of the results of the sensitivity analysis.

Table E-12: Summary of the results of the sensitivity analysis.

Table E-13: Summary of the results of the sensitivity analysis.

Table E-14: Summary of the results of the sensitivity analysis.

Table E-15: Summary of the results of the sensitivity analysis.

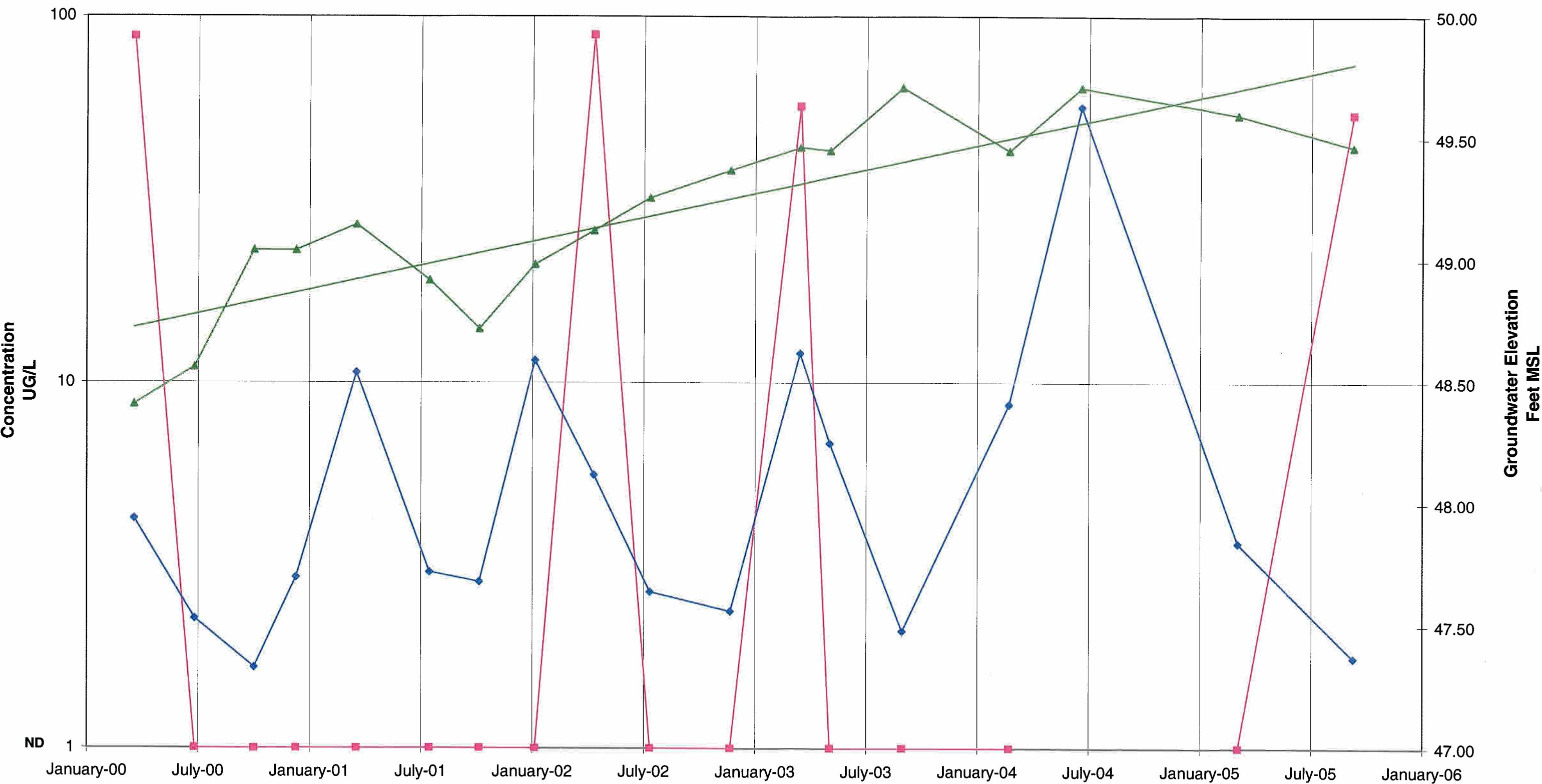
Table E-16: Summary of the results of the sensitivity analysis.

Table E-17: Summary of the results of the sensitivity analysis.

Table E-18: Summary of the results of the sensitivity analysis.

Table E-19: Summary of the results of the sensitivity analysis.

Time Vs. Concentration Graph MW-1
TTC Job# 3034.01
Tipple Motors
524 Main Street, Ferndale, California



ND = Below Reported Detection Limit

NOTE: DATA FROM 12/99 APPEARS ANOMALOUS

NOTE: Results in the diesel organics range are primarily due to overlap
from a gasoline range product (see laboratory reports).

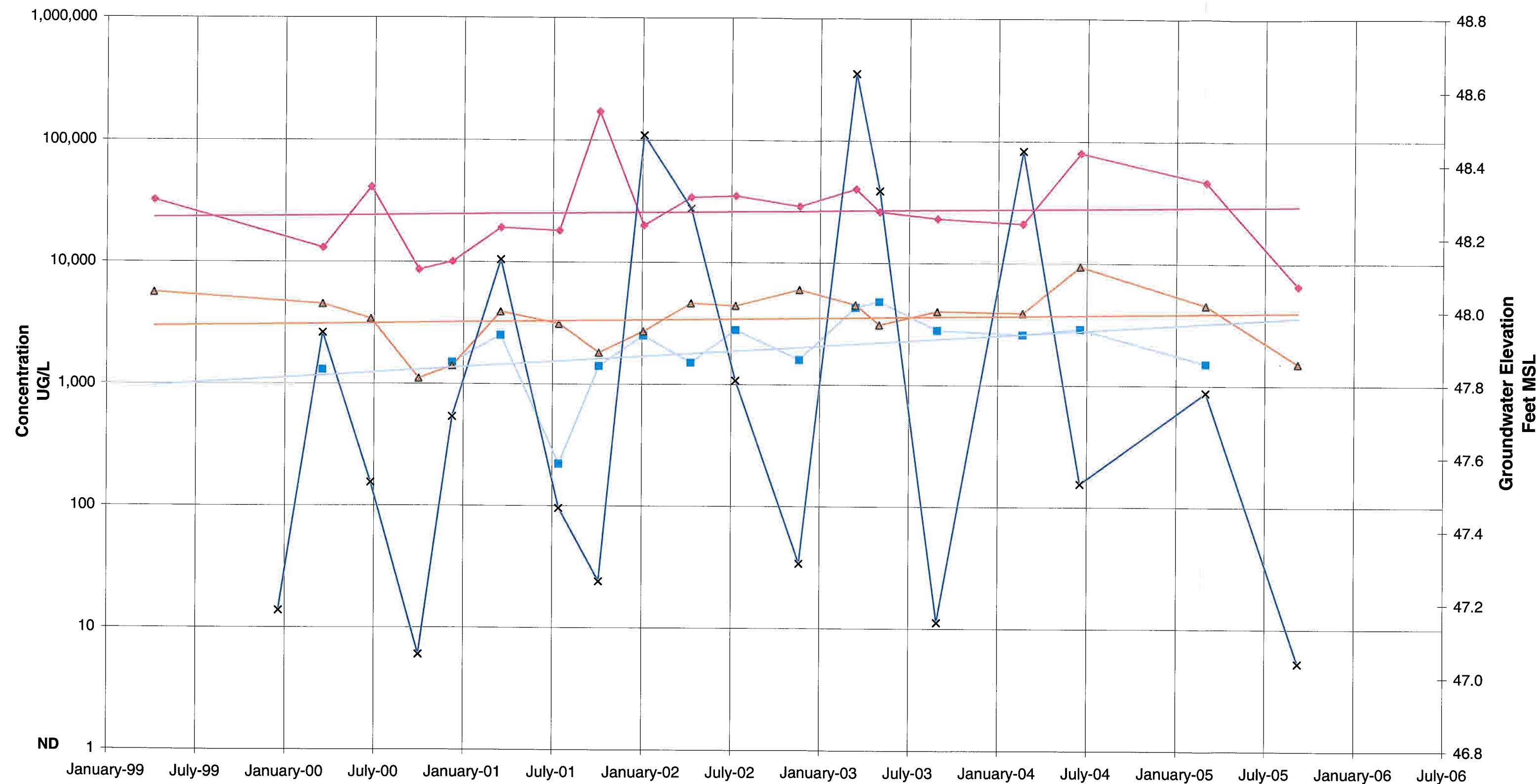
■ TPH as Gasoline UG/L

▲ MTBE

◆ Water Elevation

— Expon. (MTBE)

Time Vs. Concentration Graph MW-2
TTC Job# 3034.01
Tipple Motors
524 Main Street, Ferndale, California



ND=Below Reported Detection Limit

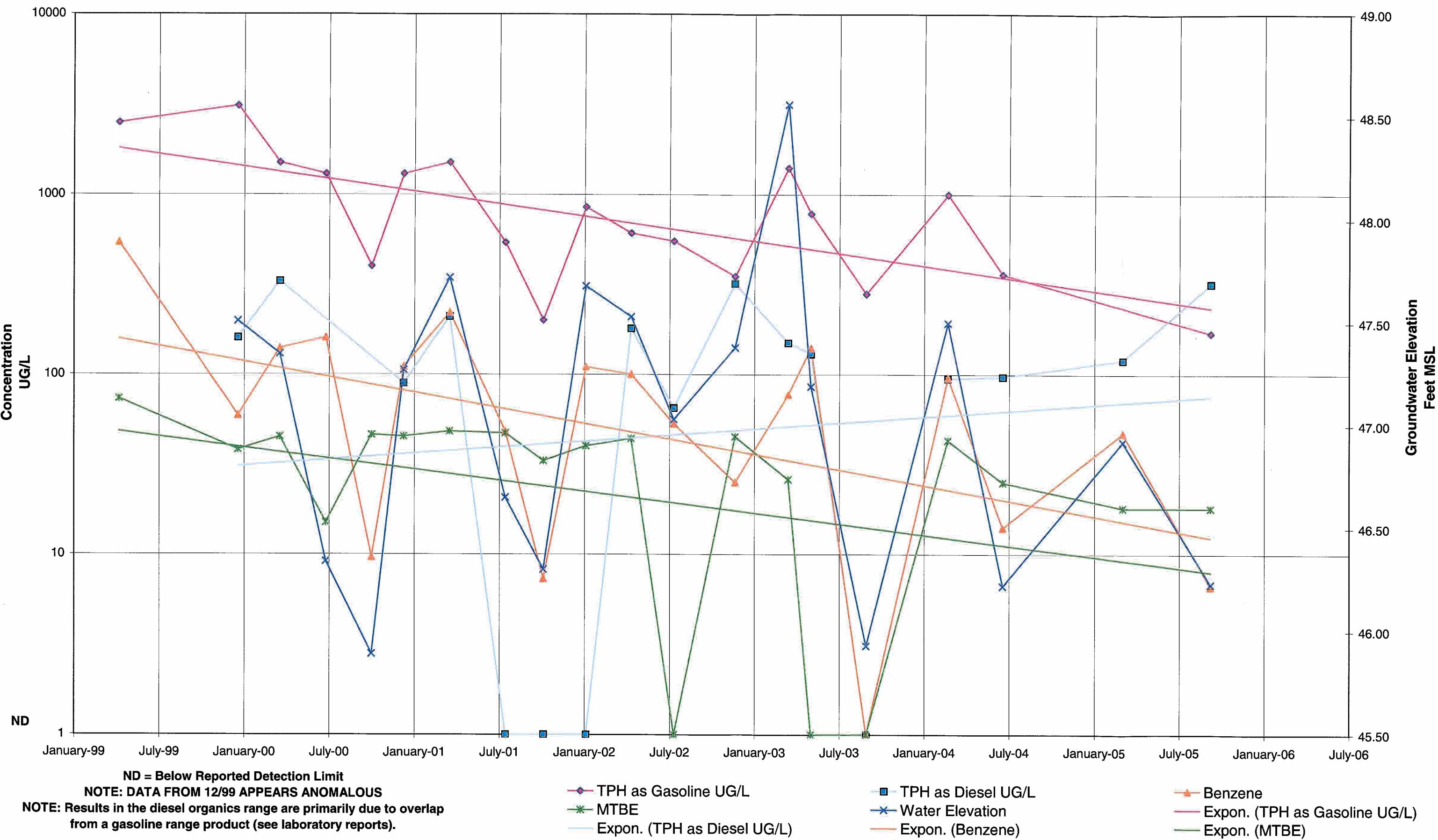
NOTE: Results in the diesel organics range are primarily due to overlap from a gasoline range product (see laboratory reports).

◆ TPH as Gasoline UG/L
■ TPH as Diesel UG/L
✖ Water Elevation
△ Benzene
— Expon. (TPH as Diesel UG/L)
— Expon. (Benzene)

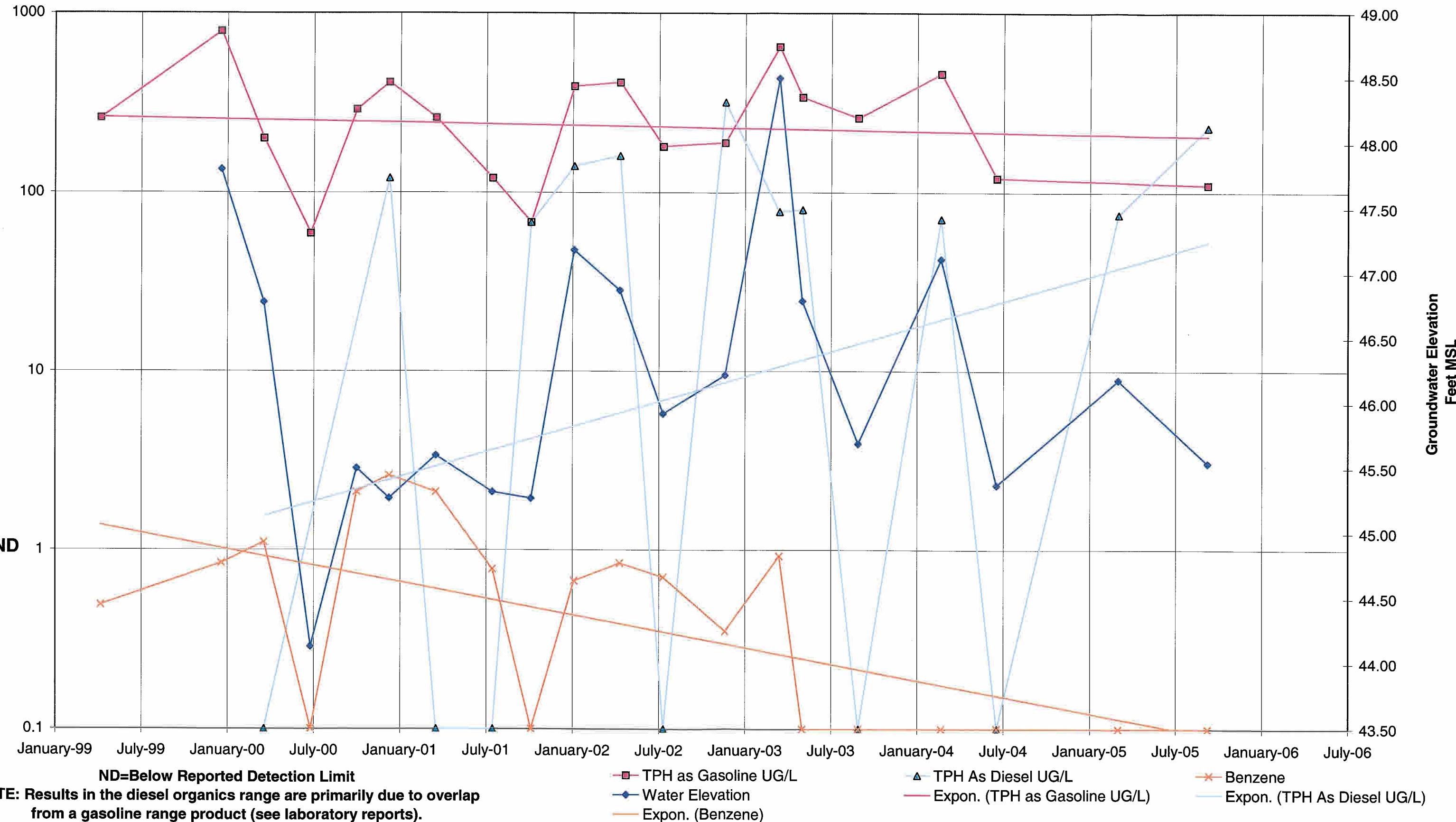
■ TPH as Diesel UG/L
— Expon. (TPH as Diesel UG/L)

△ Benzene
— Expon. (Benzene)

Time Vs. Concentration Graph MW-4
TTC Job# 3034.01
Tipple Motors
524 Main Street, Ferndale, California



Time vs. Concentration Graph MW-5
TTC Job# 3034.01
Tipple Motors
524 Main Street, Ferndale, California



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3rd Quarter 2005 Monitoring Report

**Tipple Motors, Inc.
524 Main Street
Ferndale, California**

**November 18, 2005
Job No. 3034.01**

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